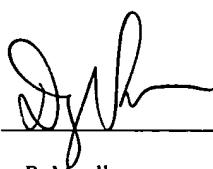


U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 10873.RUSWO
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) Unknown 107500435
INTERNATIONAL APPLICATION NO. PCT/JP03/06321	INTERNATIONAL FILING DATE 21 May 2003	PRIORITY DATE CLAIMED 21 May 2002
TITLE OF INVENTION METHOD OF EFFECTING LYSIS OF ACID-FAST BACTERIA AND METHOD OF PERFORMING GENE AMPLIFICATION OR DETECTION THEREWITH		
APPLICANT(S) FOR DO/EO/US KAMATA, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> A signed oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11. to 16. below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.  <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: Application Data Sheet, International Publication Page, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, PCT/IPEA/409, Computer readable form of Sequence Listing, Paper Copy of Sequence Listing</p>		

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown <b>101500435</b>	INTERNATIONAL APPLICATION NO. PCT/JP03/06321	ATTORNEY'S DOCKET NUMBER 10873.1416USWO		
17. [X] The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>		
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>				
Search Report has been prepared by the EPO or JPO..... \$920.00				
International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) ..... \$730.00				
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$770.00				
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(3)) paid to USPTO..... \$1080.00				
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$100.00				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$920.00		
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	30	-20 =	10	X \$18.00 \$180.00
Independent claims	2	-3 =	0	X \$86.00 \$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$1100.00		
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27		\$		
<b>SUBTOTAL =</b>		\$1100.00		
Processing fee of <b>\$130.00</b> for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$		
<b>TOTAL NATIONAL FEE =</b>		\$1100.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$40.00		
<b>TOTAL FEES ENCLOSED =</b>		\$1140.00		
		Amount to be: refunded	\$0.00	
		charged	\$0.00	
<p>a. [X] Check(s) in the amount of <u>\$1100</u> and <u>\$40</u> to cover the above fees is enclosed.</p> <p>b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2725</u>.</p>				
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>				
SEND ALL CORRESPONDENCE TO: Douglas P. Mueller MERCHANT & GOULD P.O. Box 2903 Minneapolis, MN 55402-0903		 SIGNATURE: _____ NAME: Douglas P. Mueller REGISTRATION NUMBER: 30,300		

**BEST AVAILABLE COPY**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/500435

Applicant: KAMATA ET AL.

DT04 Rec'd PCT/PTO 28 JUN 2004

Docket: 10873.1416USWO

Title: METHOD OF EFFECTING LYSIS OF ACID-FAST BACTERIA AND METHOD OF  
PERFORMING GENE AMPLIFICATION OR DETECTION THEREWITH

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV407256593US

Date of Deposit: June 28, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: *Teresa Anderson*  
Name: Teresa Anderson

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

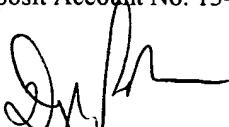
We are transmitting herewith the attached:

- Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- National Stage PCT Patent Application: Spec. 17 pgs; 30 claims.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- 3 sheets of formal drawings
- A signed Combined Declaration and Power of Attorney
- Assignment of the invention to ARKRAY, Inc., Recordation Form Cover Sheet
- A check in the amount of \$1100.00 to cover the Filing Fee
- A check for \$40.00 to cover the Assignment Recording Fee.
- Application Data Sheet, 4 pages.
- Computer readable form of Sequence Listing. Applicants state that the paper copy form of the Sequence Listing section of the present application, and the computer readable form submitted herewith, are the same.
- Other: Form PTO-1390, Preliminary Amendment, International Publication Page, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, PCT/IPEA/409
- Return postcard

CLAIMS AS FILED

Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
<b>Basic Filing Fee</b>				\$920.00
<b>Total Claims</b>				
30	-	20	= 10 x 18.00 =	\$180.00
<b>Independent Claims</b>				
2	-	3	= 0 x 86.00 =	\$0.00
<b>MULTIPLE DEPENDENT CLAIM FEE</b>				\$0.00
<b>TOTAL FILING FEE</b>				\$1100.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

By: 

Name: Douglas P. Mueller

Reg. No.: 30,300

Initials: DMueller:PLSklg

23552

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)